

Title (en)  
METHOD FOR MANAGING THE CONNECTION OF A USER EQUIPMENT TO A DISTRIBUTED WIRELESS COMMUNICATION NETWORK

Title (de)  
VERFAHREN ZUR VERWALTUNG DER VERBINDUNG EINES BENUTZERGERÄTS MIT EINEM VERTEILTEN  
DRAHTLOSKOMMUNIKATIONSNETZWERK

Title (fr)  
PROCÉDÉ DE GESTION DE LA CONNEXION D'UN ÉQUIPEMENT UTILISATEUR À UN RÉSEAU DE COMMUNICATION SANS FIL DISTRIBUÉ

Publication  
**EP 4301050 A1 20240103 (FR)**

Application  
**EP 23182815 A 20230630**

Priority  
FR 2206689 A 20220630

Abstract (en)  
[origin: US2024008105A1] This method for managing the connection of a user equipment item to a distributed wireless communication network includes the following steps: sorting access nodes of the distributed wireless communication network into different groups as a function of a primary indicator representative of their quality of connection to a distributed wireless communication network root node and, for at least one access node included in a selected group: determining a secondary indicator representative of a quality of connection of the user equipment item to the access node. If, for each access node included in the selected group, the secondary indicator is strictly greater than a threshold, the steps are repeated with another group containing access nodes having a lower quality of connection to the root node.

IPC 8 full level  
**H04W 48/20** (2009.01); **H04W 36/08** (2009.01); **H04W 36/22** (2009.01); **H04W 36/38** (2009.01); **H04W 84/12** (2009.01)

CPC (source: EP US)  
**H04W 36/08** (2013.01 - EP); **H04W 36/22** (2013.01 - EP); **H04W 48/20** (2013.01 - EP); **H04W 76/10** (2018.02 - US); **H04W 84/18** (2013.01 - US); **H04W 88/085** (2013.01 - US); **H04W 88/14** (2013.01 - US); **H04W 36/38** (2013.01 - EP); **H04W 84/12** (2013.01 - EP)

Citation (applicant)  
• FR 3083409 A1 20200103 - SAGEMCOM BROADBAND SAS [FR]  
• FR 3086826 A1 20200403 - SAGEMCOM BROADBAND SAS [FR]

Citation (search report)  
• [A] US 2017135033 A1 20170511 - VECERA MARTIN [CZ], et al  
• [A] FR 3105681 A1 20210625 - SAGEMCOM BROADBAND SAS [FR]

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 4301050 A1 20240103**; **EP 4301050 B1 20240501**; FR 3137523 A1 20240105; US 11985715 B2 20240514; US 2024008105 A1 20240104

DOCDB simple family (application)  
**EP 23182815 A 20230630**; FR 2206689 A 20220630; US 202318216430 A 20230629